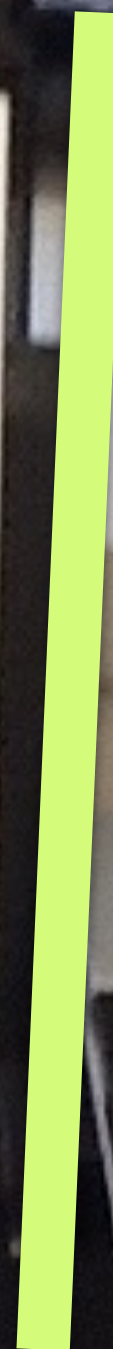
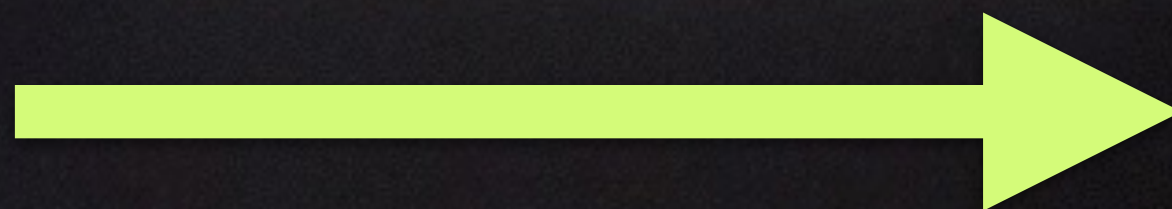
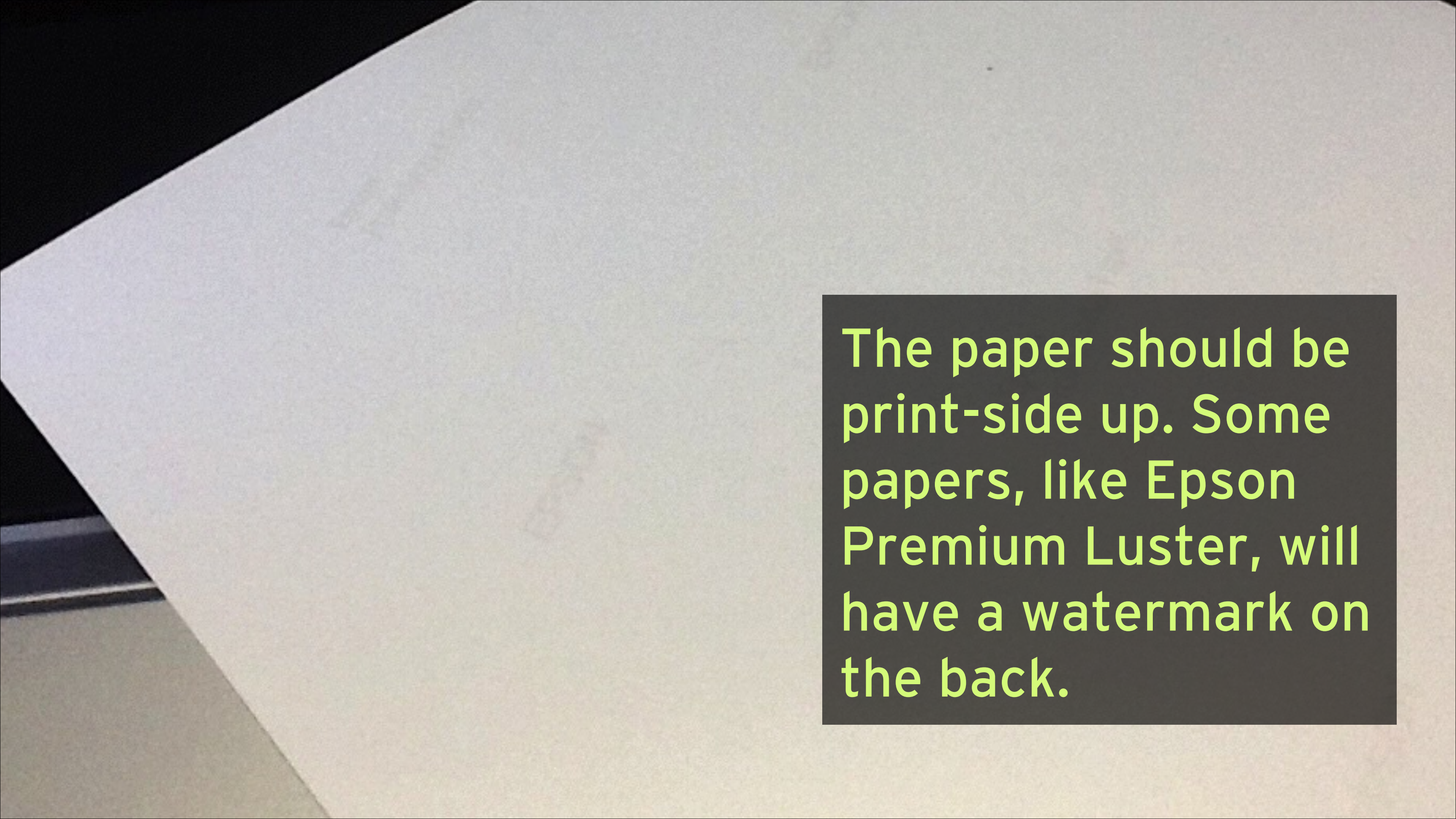


HOW TO PRINT FROM PHOTOSHOP

Ready to print? Put
a sheet of paper in
the feed, snug with
the right side...

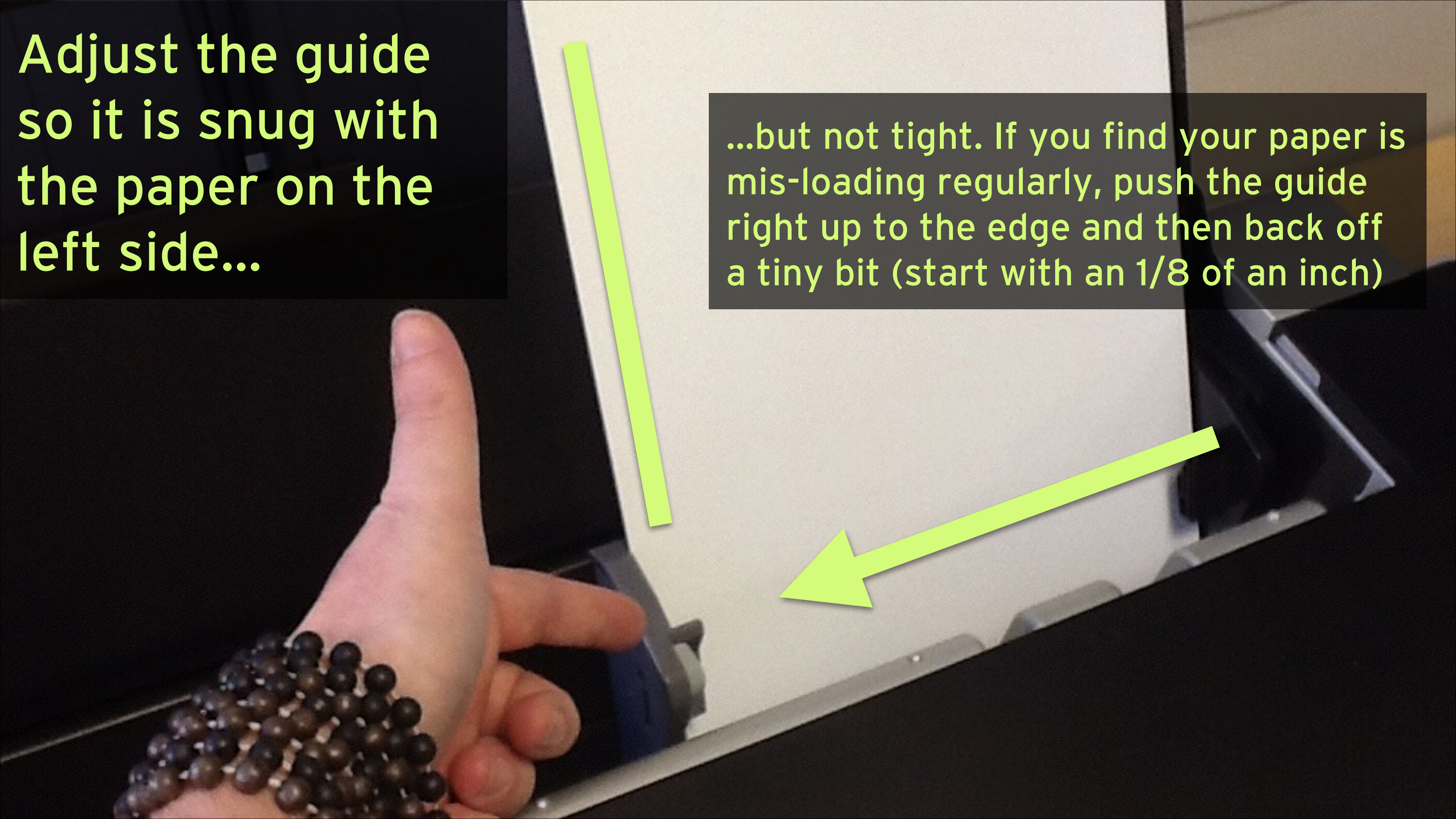




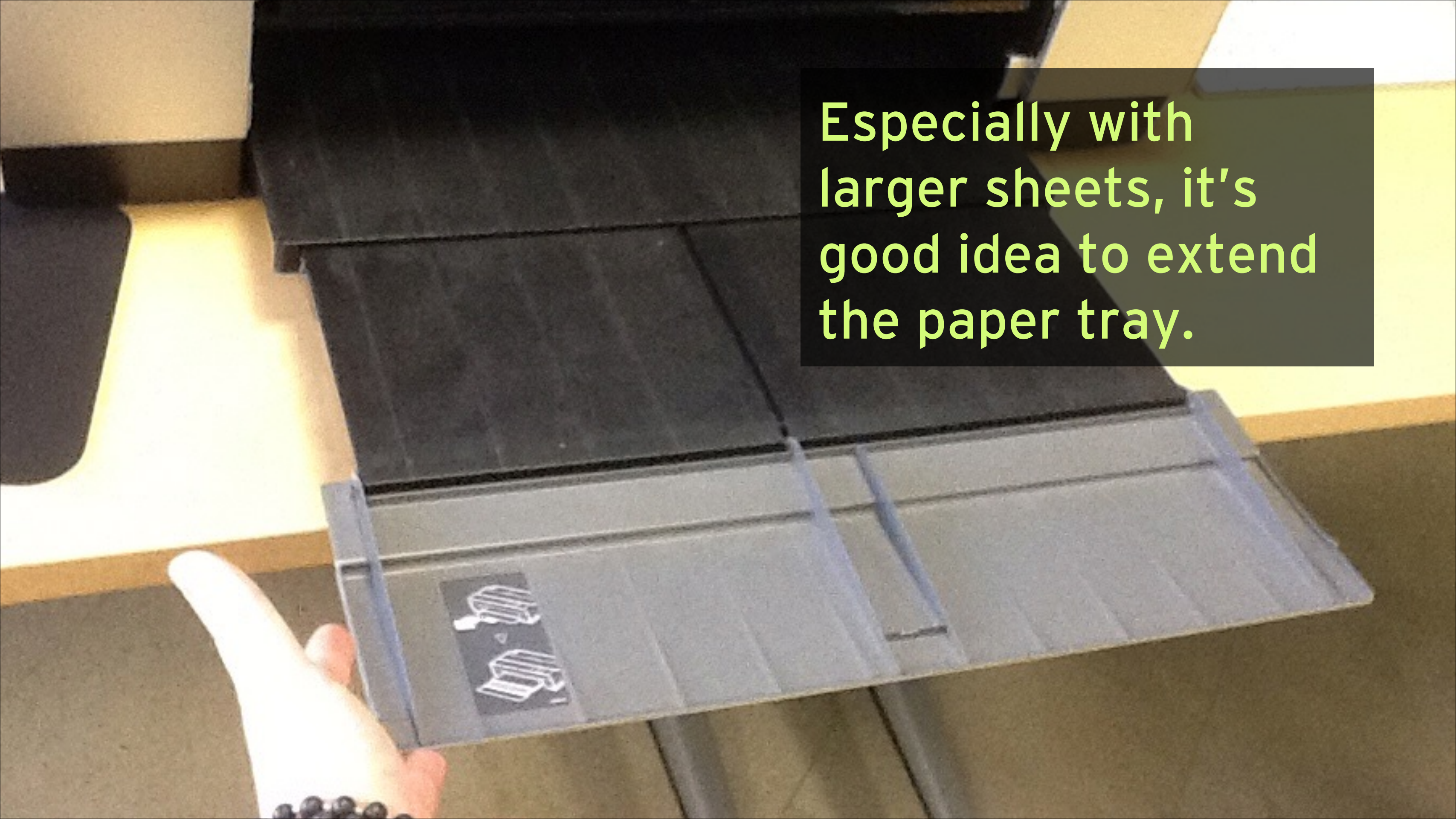
The paper should be
print-side up. Some
papers, like Epson
Premium Luster, will
have a watermark on
the back.

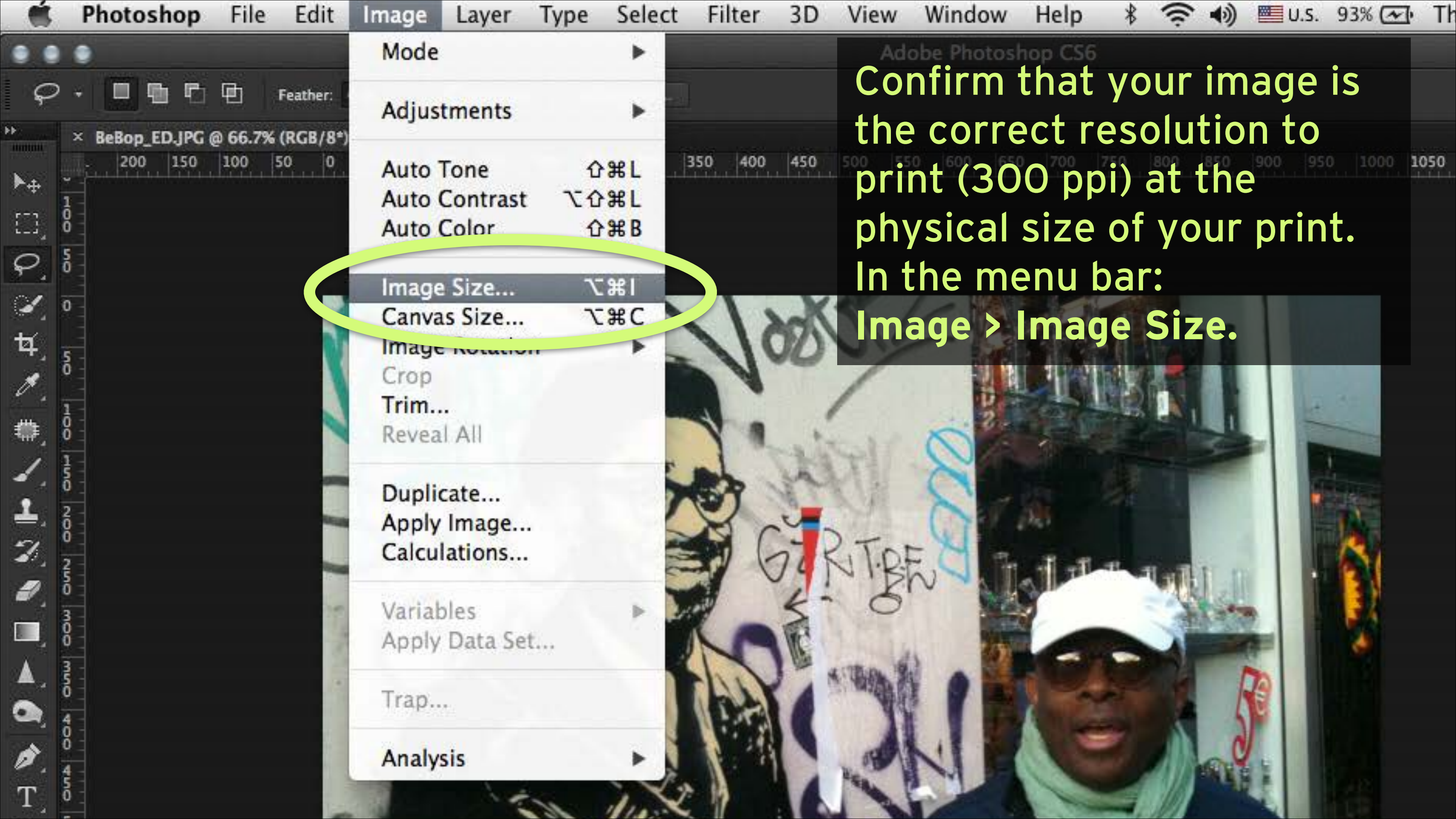
Adjust the guide
so it is snug with
the paper on the
left side...

...but not tight. If you find your paper is
mis-loading regularly, push the guide
right up to the edge and then back off
a tiny bit (start with an 1/8 of an inch)

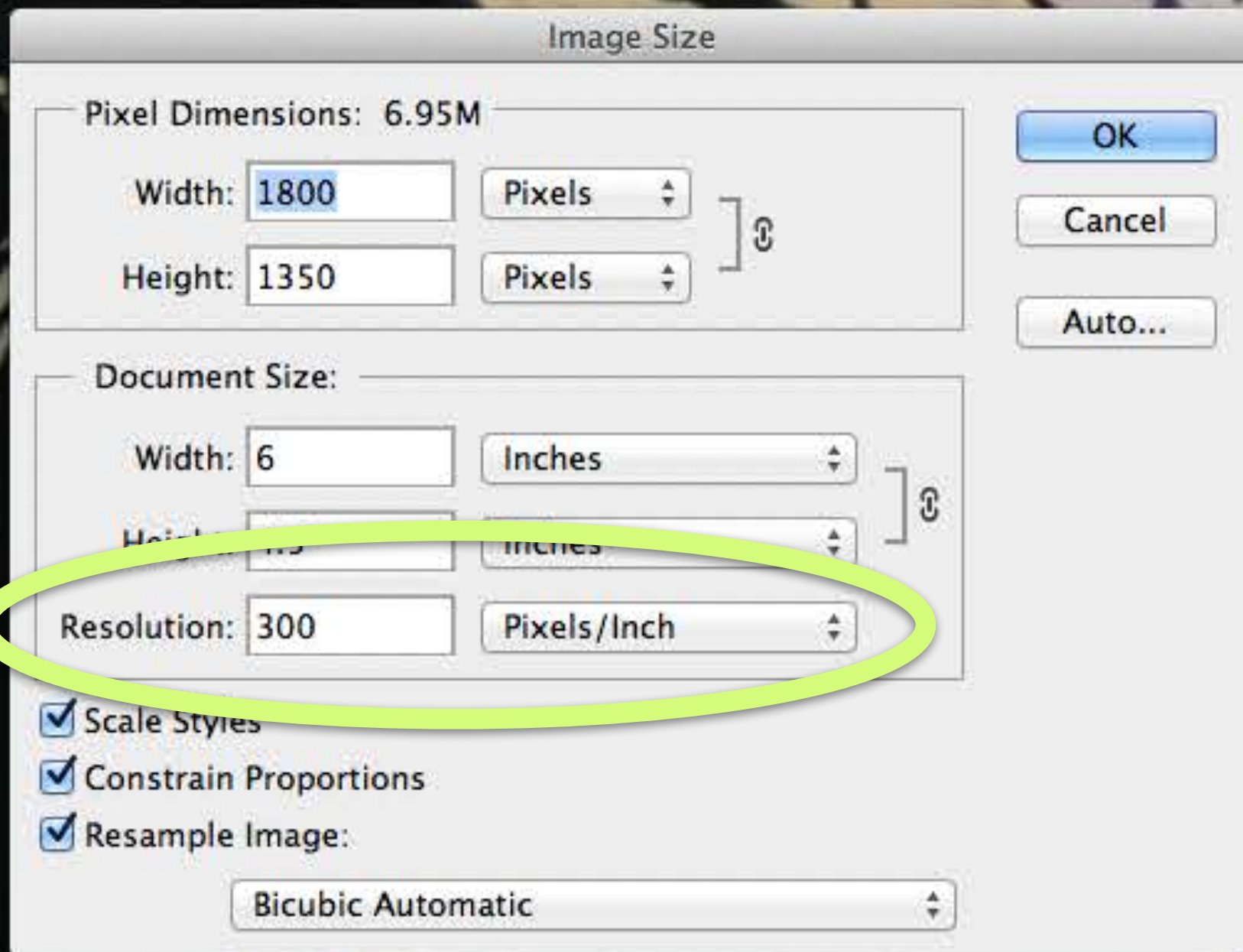


Especially with larger sheets, it's good idea to extend the paper tray.





Confirm that your image is the correct resolution to print (300 ppi) at the physical size of your print. In the menu bar: **Image > Image Size.**

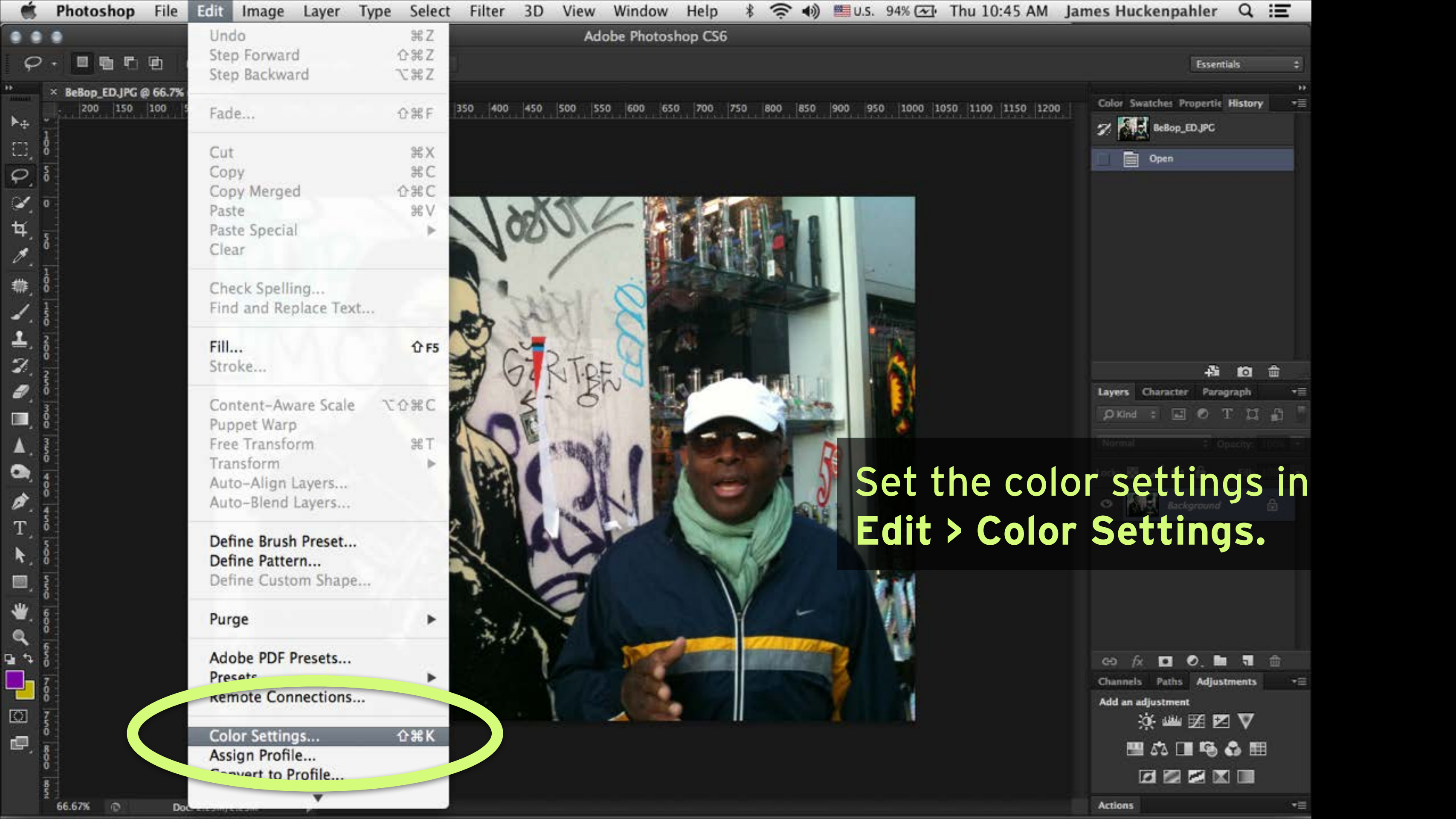


Confirm that the height and width of your image are suited to the paper you plan to print on.

COLOR SETTINGS...

IMAGES COMING FROM A DIGITAL CAMERA WILL OFTEN HAVE A **PROFILE**—INFORMATION ATTACHED TO THE IMAGE THAT DESCRIBES THE PROPERTIES OF THE CAMERA SUCH THAT COLOR CAN BE RENDERED ACCURATELY ON OTHER DEVICES LIKE A SCREEN OR A PRINTER...

**BUT WHAT IF YOU CREATED AN
IMAGE FROM SCRATCH IN
PHOTOSHOP, OR CREATED A
COLLAGE FROM MANY DIFFERENT
SOURCES? IT'S A GOOD IDEA TO
HAVE PHOTOSHOP ASSIGN A
PROFILE TO YOUR IMAGE.**



Undo ⌘ Z
Step Forward ⇧ ⌘ Z
Step Backward ⇧ ⌘ [

Fade... ⇧ ⌘ F

Cut ⌘ X
Copy ⌘ C
Copy Merged ⇧ ⌘ C
Paste ⌘ V
Paste Special
Clear

Check Spelling...
Find and Replace Text...

Fill... ⇧ F5
Stroke...

Content-Aware Scale ⇧ ⇧ ⌘ C
Puppet Warp
Free Transform ⌘ T
Transform
Auto-Align Layers...
Auto-Blend Layers...

Define Brush Preset...
Define Pattern...
Define Custom Shape...

Purge

Adobe PDF Presets...
Presets
Remote Connections...

Color Settings... ⇧ ⌘ K
Assign Profile...
Convert to Profile...

Set the color settings in
Edit > Color Settings.

Color Settings



For more information on color settings, search for "setting up color management" in Help. This term is searchable from any Creative Suite application.

Settings: **Custom**

Working Spaces

RGB: Adobe RGB (1998)

CMYK: U.S. Web Coated (SWOP) v2

Gray: Gray Gamma 2.2

Spot: Dot Gain 20%

Color Management Policies

RGB: Convert to Working RGB

CMYK: Convert to Working CMYK

Gray: Convert to Working Gray

Profile Mismatches: ☒ Ask When Opening ☒ Ask When Pasting
Missing Profiles: ☒ Ask When Opening

OK

Cancel

Load...

Save...

More Options

☒ Preview

In this dialog, tell Photoshop to make the working color space **Adobe RGB (1998)**.

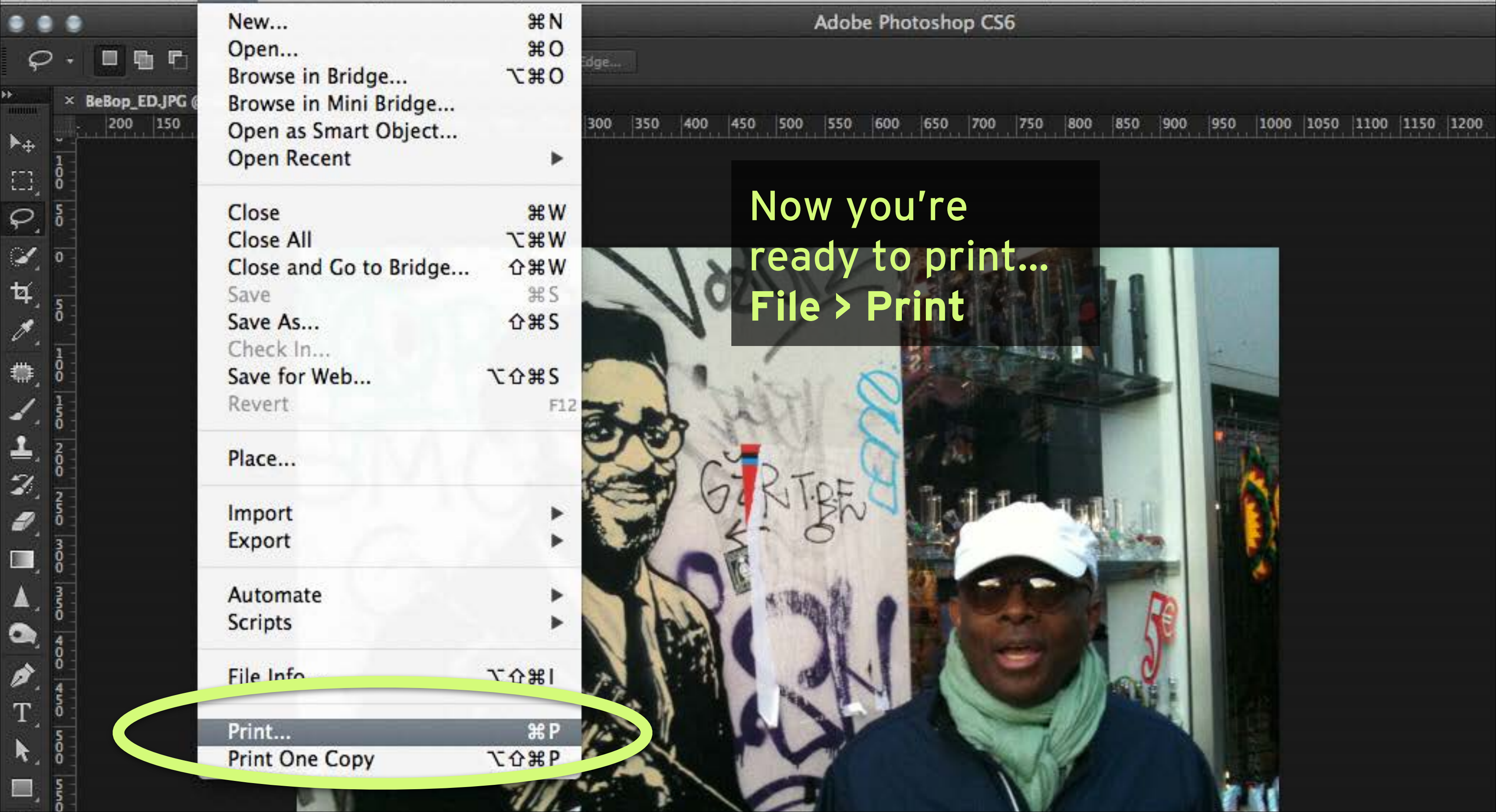
You can also tell it to **convert** the working space of any file you open or copy/paste.

SO, THE RULES-OF-THUMB...

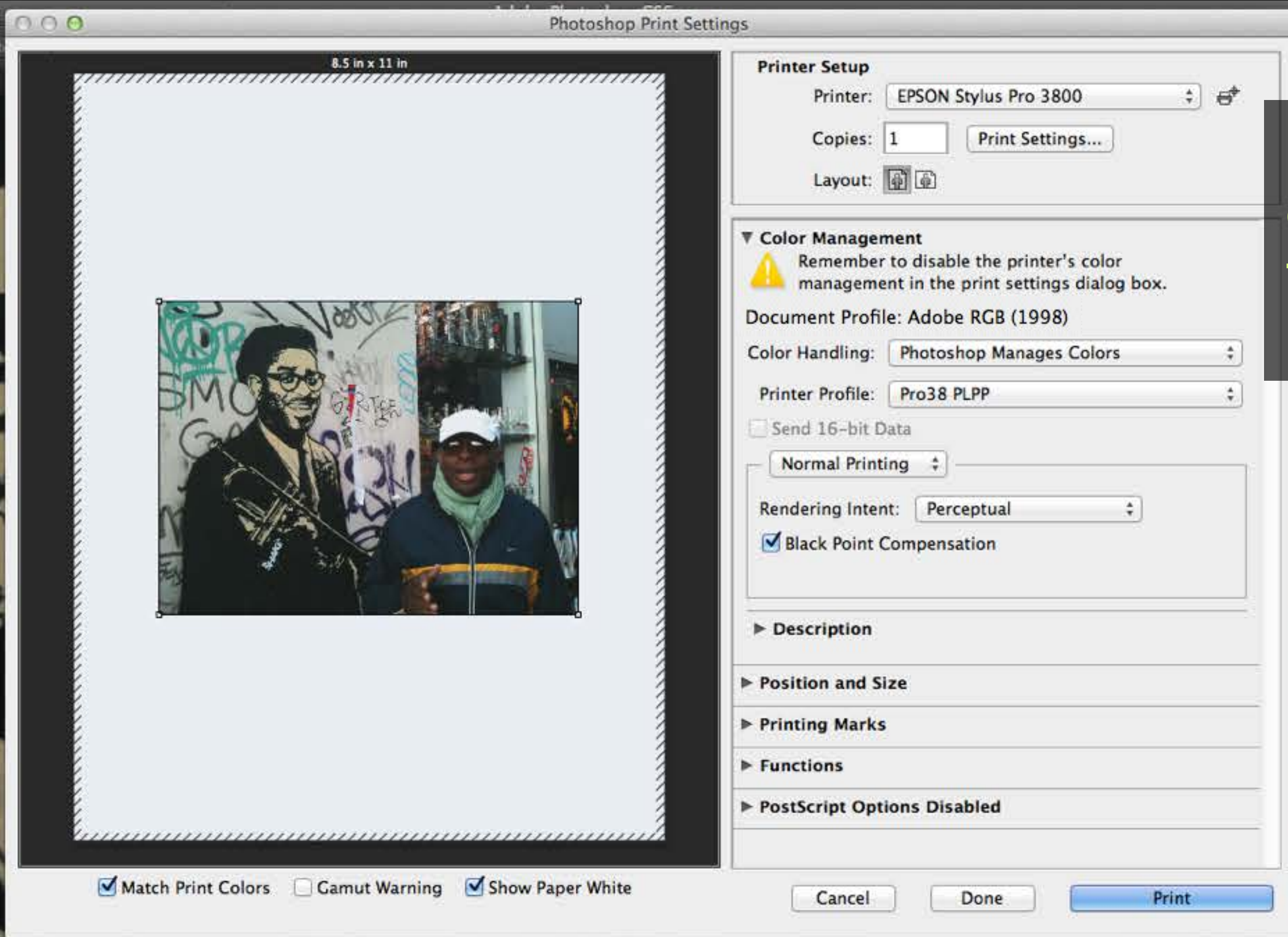
**IF YOU'RE BRINGING AN IMAGE FROM A
CAMERA, KEEP THE CAMERA PROFILE**

**IF YOU'RE BUILDING SOMETHING FROM
SCRATCH, OR COLLAGING IMAGES YOU
GOT FROM THE INTERNET, CONVERT
YOUR SOURCE IMAGES TO ADOBE RGB**

1998



Now you're
ready to print...
File > Print



Here's the Print dialog, where all the real action happens...

Make sure you
have the right
printer selected.



Printer Setup

Printer: Acad Smith Ricoh MP 6001
✓ EPSON Stylus Pro 3800
Smith 104 Ricoh MP 6001

Copies: 1

Print Settings...

to print to

Color Management



Remember to disable the printer's color management in the print settings dialog box.

Document Profile: Adobe RGB (1998)

Color Handling: Photoshop Manages Colors

Printer Profile: Pro38 PLPP

☐ Send 16-bit Data

Normal Printing

Rendering Intent: Perceptual

☒ Black Point Compensation

Description

Position and Size

Printing Marks

Functions

Orient the page layout as needed.



Printer Setup

Printer: EPSON Stylus Pro 3800

Copy

Layout:



Print paper in landscape orientation

Color Management



Remember to disable the printer's color management in the print settings dialog box.

Document Profile: Adobe RGB (1998)

Color Handling: Photoshop Manages Colors

Printer Profile: Pro38 PLPP

☐ Send 16-bit Data

Normal Printing

Rendering Intent: Perceptual

☒ Black Point Compensation

Description

Position and Size

Printing Marks

Functions

PostScript Options Disabled

☒ Match Print Colors ☐ Gamut Warning ☒ Show Paper White



Print Settings

Printer Setup

Printer: EPSON Stylus Pro 3800

Copies: 1

Print Settings...

Layout:  

▼ Color Management



Remember to disable the printer's color management in the print settings dialog box.

Document Profile: Adobe RGB (1998)

Color Handling: Photoshop Manages Colors

Printer Profile: Pro38 PLPP

☐ Send 16-bit Data

Normal Printing

Rendering Intent: Perceptual

☒ Black Point Compensation

We're going to adjust some settings like paper size and type....

Print

Printer: EPSON Stylus Pro 3800

Presets: Default Settings

Copies: 1

Paper Size: US Letter 8.50 by 11.00 inches

Layout

Pages per Sheet: 1

Layout Direction:

Border: None

Two-Sided: Off

☐ Reverse page orientation

☐ Flip horizontally

1

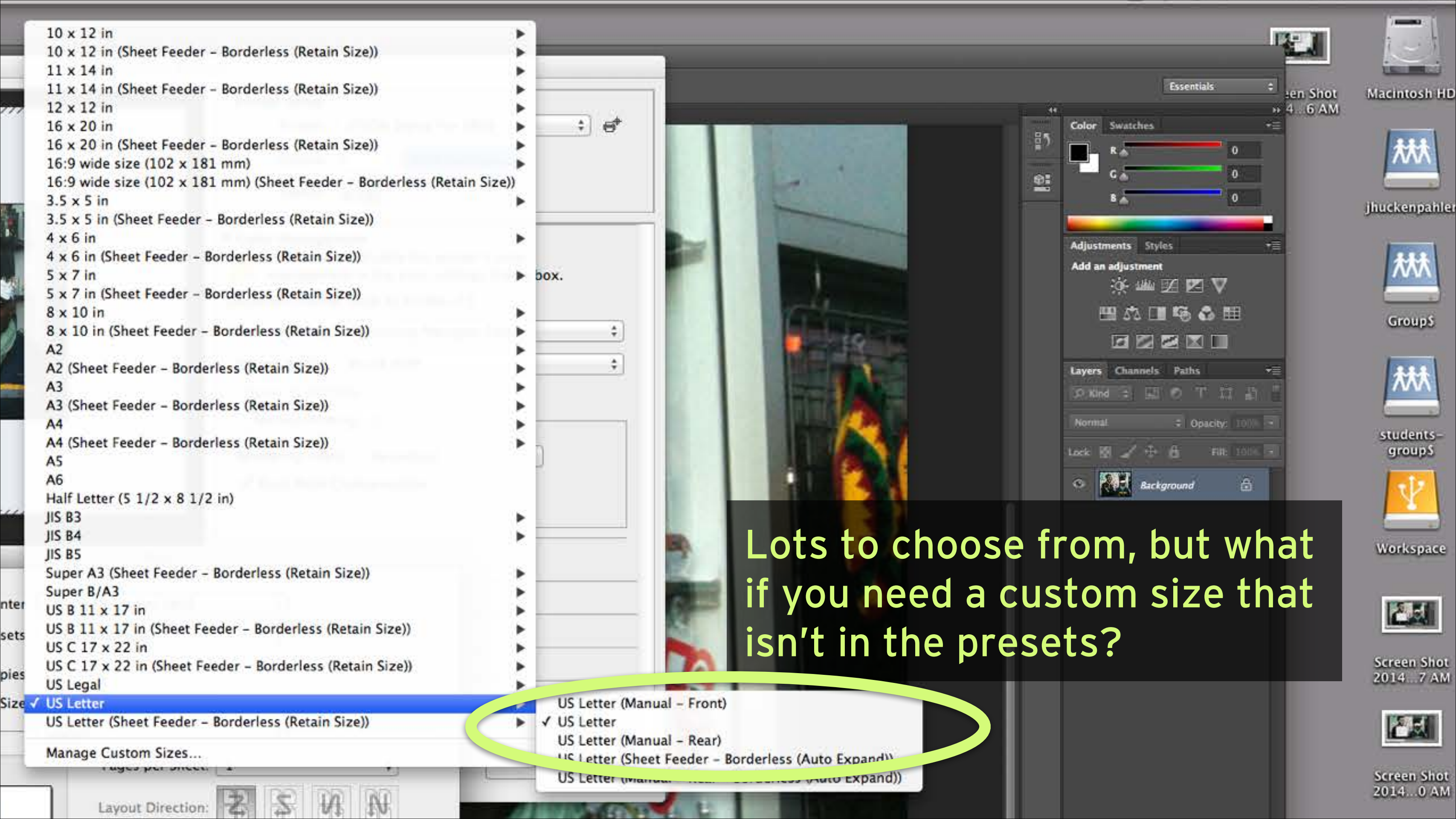
? PDF Hide Details Cancel Save

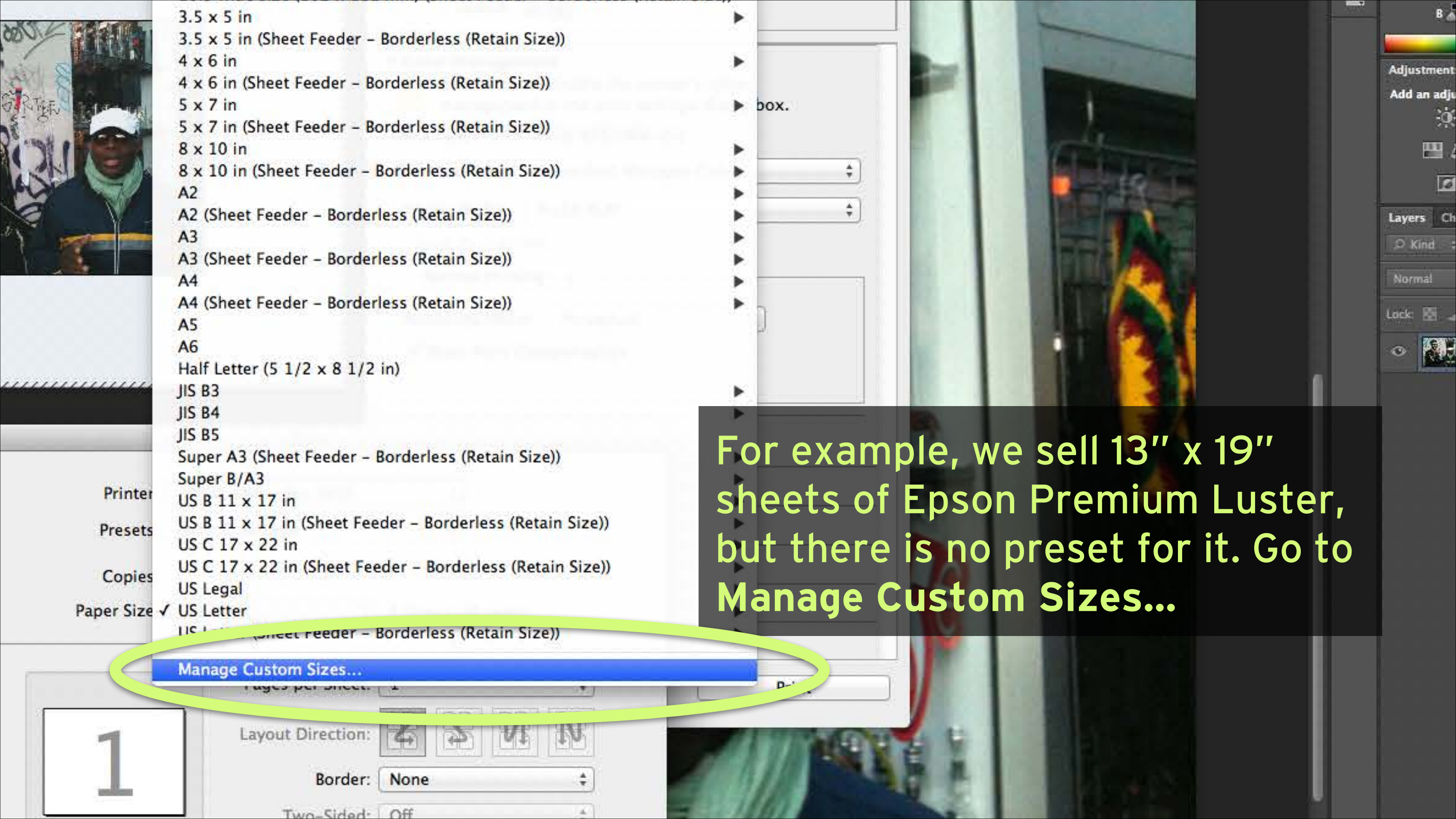
In the Print Settings dialogue we can choose a paper size.

- 10 x 12 in
- 10 x 12 in (Sheet Feeder – Borderless (Retain Size))
- 11 x 14 in
- 11 x 14 in (Sheet Feeder – Borderless (Retain Size))
- 12 x 12 in
- 16 x 20 in
- 16 x 20 in (Sheet Feeder – Borderless (Retain Size))
- 16:9 wide size (102 x 181 mm)
- 16:9 wide size (102 x 181 mm) (Sheet Feeder – Borderless (Retain Size))
- 3.5 x 5 in
- 3.5 x 5 in (Sheet Feeder – Borderless (Retain Size))
- 4 x 6 in
- 4 x 6 in (Sheet Feeder – Borderless (Retain Size))
- 5 x 7 in
- 5 x 7 in (Sheet Feeder – Borderless (Retain Size))
- 8 x 10 in
- 8 x 10 in (Sheet Feeder – Borderless (Retain Size))
- A2
- A2 (Sheet Feeder – Borderless (Retain Size))
- A3
- A3 (Sheet Feeder – Borderless (Retain Size))
- A4
- A4 (Sheet Feeder – Borderless (Retain Size))
- A5
- A6
- Half Letter (5 1/2 x 8 1/2 in)
- JIS B3
- JIS B4
- JIS B5
- Super A3 (Sheet Feeder – Borderless (Retain Size))
- Super B/A3
- US B 11 x 17 in
- US B 11 x 17 in (Sheet Feeder – Borderless (Retain Size))
- US C 17 x 22 in
- US C 17 x 22 in (Sheet Feeder – Borderless (Retain Size))
- US Legal
- Size ✓ US Letter
- US Letter (Sheet Feeder – Borderless (Retain Size))
- Manage Custom Sizes...

- US Letter (Manual – Front)
- ✓ US Letter
- US Letter (Manual – Rear)
- US Letter (Sheet Feeder – Borderless (Auto Expand))
- US Letter (Manual – Sheet Feeder – Borderless (Auto Expand))

Lots to choose from, but what if you need a custom size that isn't in the presets?





- Printer Presets Copies Paper Size ✓
- 3.5 x 5 in
 - 3.5 x 5 in (Sheet Feeder – Borderless (Retain Size))
 - 4 x 6 in
 - 4 x 6 in (Sheet Feeder – Borderless (Retain Size))
 - 5 x 7 in
 - 5 x 7 in (Sheet Feeder – Borderless (Retain Size))
 - 8 x 10 in
 - 8 x 10 in (Sheet Feeder – Borderless (Retain Size))
 - A2
 - A2 (Sheet Feeder – Borderless (Retain Size))
 - A3
 - A3 (Sheet Feeder – Borderless (Retain Size))
 - A4
 - A4 (Sheet Feeder – Borderless (Retain Size))
 - A5
 - A6
 - Half Letter (5 1/2 x 8 1/2 in)
 - JIS B3
 - JIS B4
 - JIS B5
 - Super A3 (Sheet Feeder – Borderless (Retain Size))
 - Super B/A3
 - US B 11 x 17 in
 - US B 11 x 17 in (Sheet Feeder – Borderless (Retain Size))
 - US C 17 x 22 in
 - US C 17 x 22 in (Sheet Feeder – Borderless (Retain Size))
 - US Legal
 - US Letter
 - US Letter (Sheet Feeder – Borderless (Retain Size))

Manage Custom Sizes...

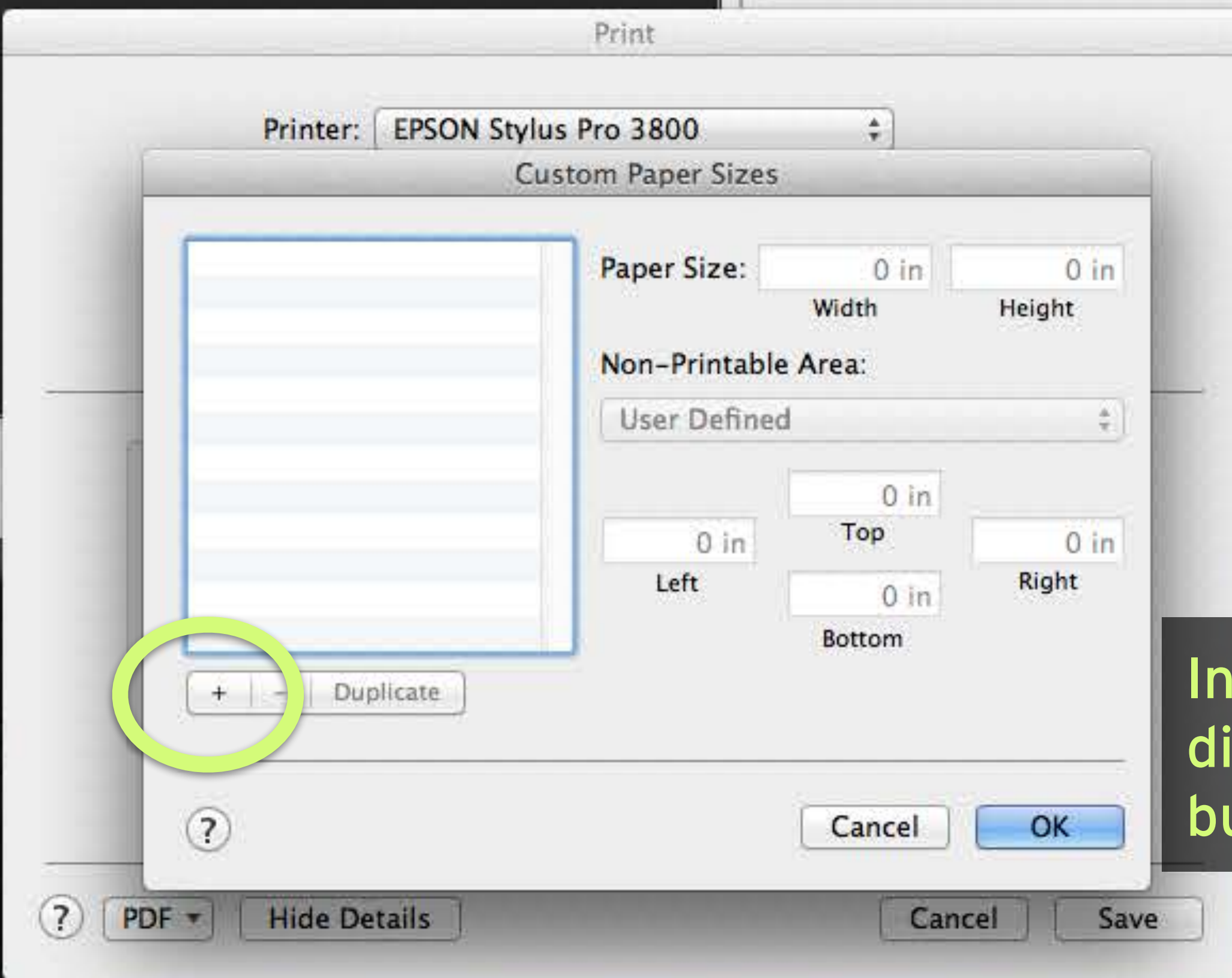
For example, we sell 13" x 19" sheets of Epson Premium Luster, but there is no preset for it. Go to **Manage Custom Sizes...**

1

Layout Direction:

Border: None

Two-Sided: Off



In the Custom Paper Sizes dialog, click on the plus (+) button to add a new size.

Printer: EPSON Stylus Pro 3800

Custom Paper Sizes

Untitled

Paper Size: 8.5 in 11 in
Width Height

Non-Printable Area:

User Defined

.25 in .25 in
Left Top Right
.56 in
Bottom

+ - Duplicate



Cancel

OK

PDF ▾

Hide Details

Cancel

Save

An untitled paper size is added to the list....

Print

Printer: EPSON Stylus Pro 3800

Custom Paper Sizes

Untitled

Paper Size: 8.5 in 11 in
Width Height

Non-Printable Area:

User Defined

.25 in .25 in
Left Top Right
.56 in
Bottom

+ - Duplicate



Cancel

OK

PDF ▾

Hide Details

Cancel

Save

Double-click on
“Untitled” and give it a
real name (so you can
find it again!)

Print

Printer: EPSON Stylus Pro 3800

Custom Paper Sizes

James 13 x 19

Paper Size: 13 in 19 in
Width Height

Non-Printable Area:

User Defined

.25 in .25 in
Left Top Right
.25 in
Bottom

+ - Duplicate



Cancel

OK

PDF

Hide Details

Cancel

Save

Then fill in all of the blanks with the size you want, including non-printing margins. Then hit OK.

Print

Printer: EPSON Stylus Pro 3800

Presets: Default Settings

Copies: 1

Paper Size: James 13 x 19 13.00 by 19.00 inches

- ✓ Layout
- Color Matching
- Paper Handling
- Cover Page
- Print Settings**
- Paper Configuration
- Page Layout Settings
- Supply Levels

Next, tell the printer what kind of paper you are using...

Print



PDF ▾

Hide Details

Cancel

Save

Print

Printer: EPSON Stylus Pro 3800

Presets: Default Settings

Copies: 1

Paper Size: James 13 x 19 13.00 by 19.00 inches

Print Settings

Basic Advanced Color Settings

Page Setup: Sheet Feeder

Media Type: Ultra Premium Photo Paper Luster

Ink: Photo Black

Color: Color ☐ 16 bit/Channel

Color Settings: Off (No Color Adjustment)

Print Quality: SuperFine - 1440dpi

☒ High Speed

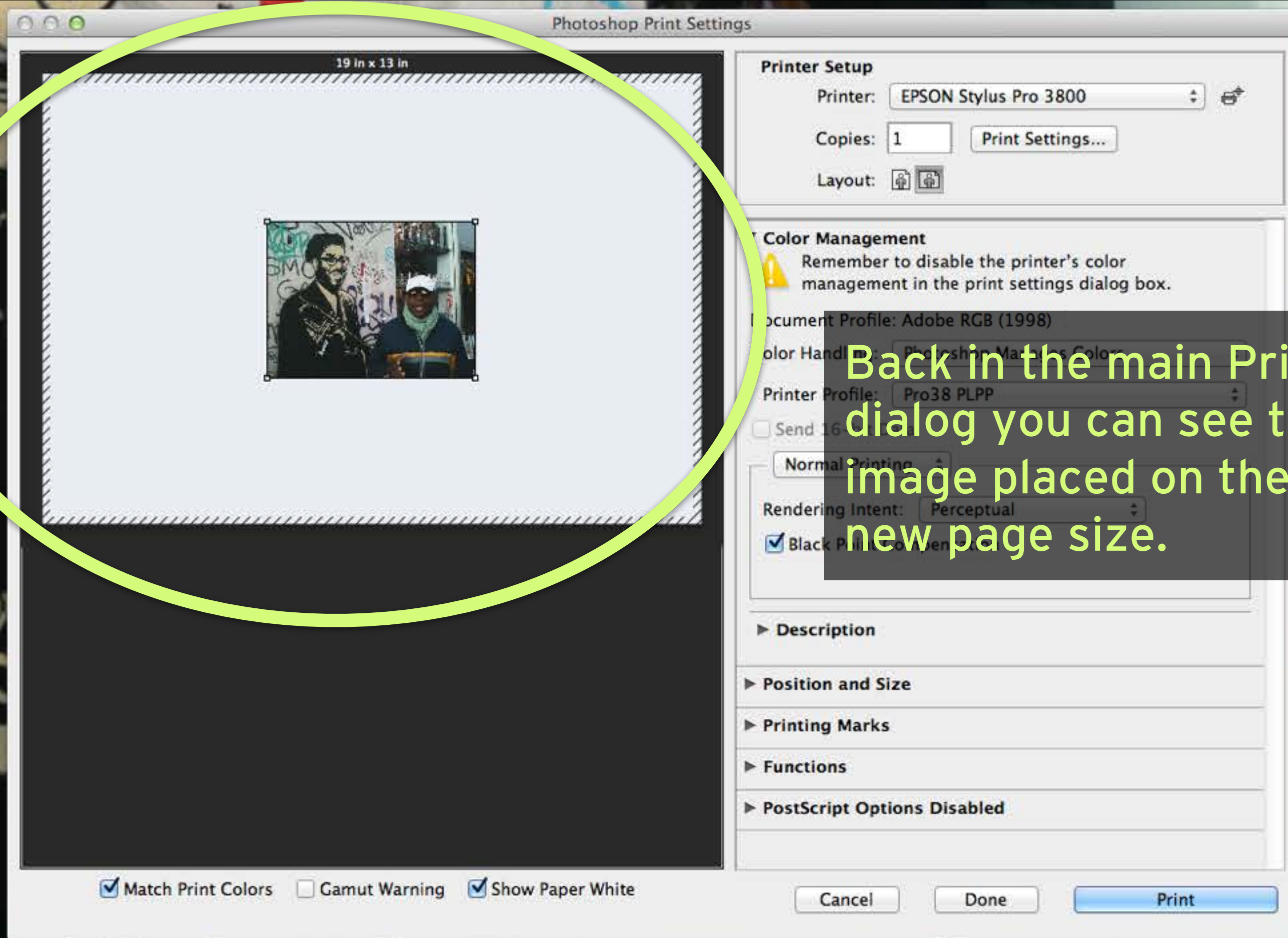
☐ Flip Horizontal

☐ Finest Detail

☒ Match Print

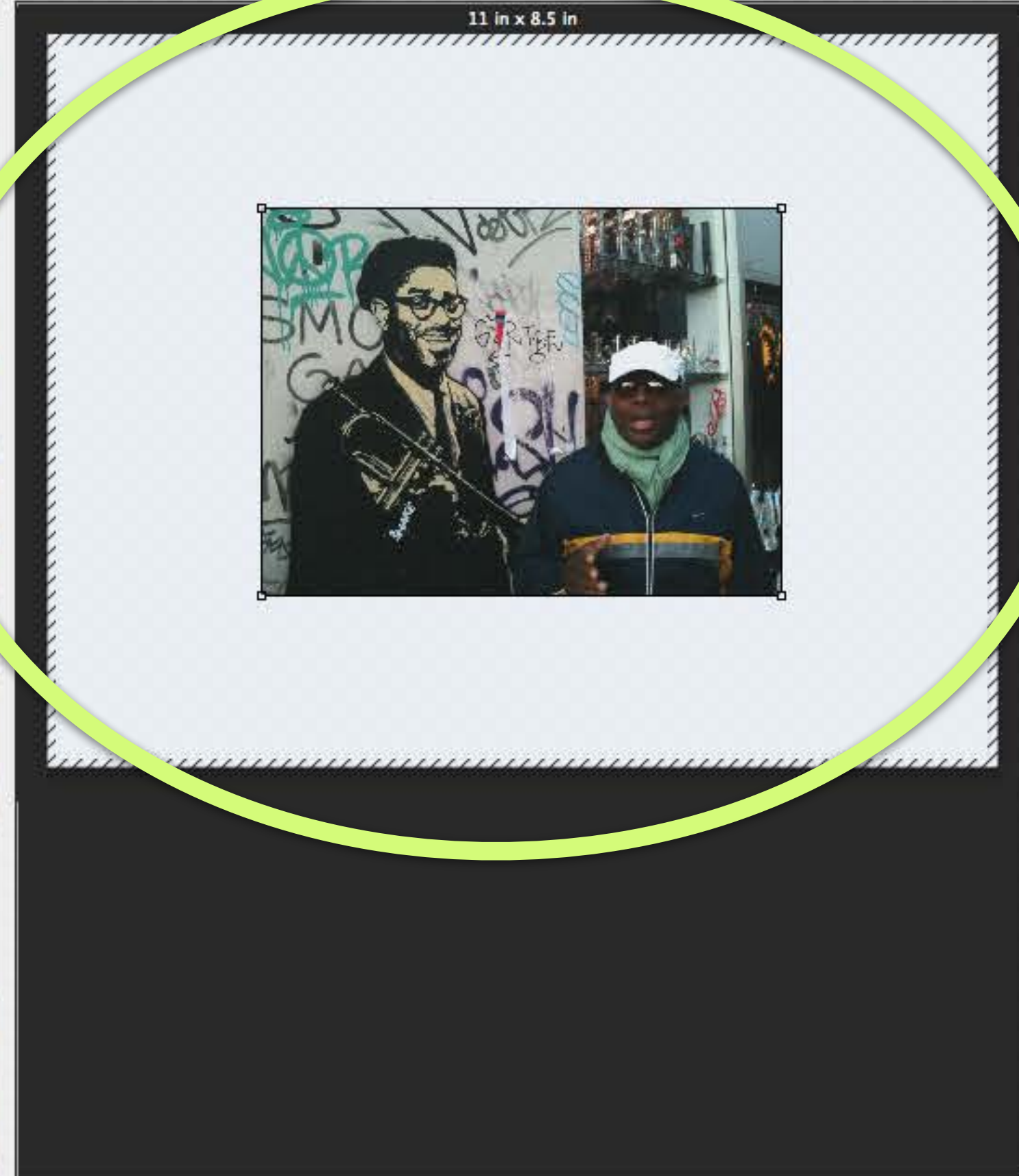
? PDF Hide Details Cancel Save

In this case, I'm
printing on Ultra
Premium Photo Paper.
Then hit Save.



Back in the main Print dialog you can see the image placed on the new page size.

Photoshop Print Settings



☒ Match Print Colors ☐ Gamut Warning ☒ Show Paper White

Printer Setup

Printer: EPSON Stylus Pro 3800

Copies: 1 Print Settings...

Layout:

Print paper in landscape orientation

Color Management

Remember to disable the printer's color management in the print settings dialog box.

Document Profile: Adobe RGB (1998)

Color Handling: Photoshop Manages Colors

Printer Profile: Pro38 (LPI)

☐ Send 16-bit Data

Normal Printing

Rendering Intent: Perceptual

☒ Black Point Compensation

► Description

► Position and Size

► Printing Marks

► Functions

► PostScript Options Disabled

Cancel

Done

Print

But... I changed
my mind and
switched the
paper back to
US Letter...

11 in x 8.5 in



Make sure that
Photoshop is
managing the color.

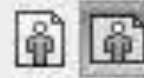
Printer Setup

Printer: EPSON Stylus Pro 3800

Copies: 1

Print Settings...

Layout:



Color Management



Remember to disable the printer's color management in the print settings dialog box.

Document Profile: sRGB IEC61966-2.1

Color Handling:

Printer Manages Colors

✓ Photoshop Manages Colors

Separations

Printer Profile: F1038 FLPP

☐ Send 16-bit Data

Normal Printing

Rendering Intent: Perceptual

☒ Black Point Compensation

► Description

► Position and Size

11 in x 8.5 in



And select the printer profile. In this case, Pro38 PLPP (short for Epson Stylus Pro 3800, Premium Luster Photo Paper!)

Printer Setup

Printer: EPSON Stylus Pro 3800

Copies:

Layout:

Color Management

Remember
management

Document Profile

Color Management

Printer Profiles

Normal Print

Rendering Intent

Black Point

Description

► Position and

► Printing Mark

► Functions

► PostScript Op

Epson_SP3800_Cold_Press_Bright_MK_v1
Epson_SP3800_Cold_Press_Natural_MK_v1
Epson_SP3800_Exhibition_Fiber_Paper_PK_v1
Epson_SP3800_Hot_Press_Bright_MK_v1
Epson_SP3800_Hot_Press_Natural_MK_v1
Epson_SP3800_Premium_Canvas_Matte_MK_v1
Epson_SP3800_Standard_Proofing_Paper_240_PK_v1
Epson_SP3800_Standard_Proofing_Paper_SWOP3_PK_v2
Pro38 ARMP

Pro38 PGPP

✓ Pro38 PLPP

Pro38 PPSmC

Pro38 PPSmC

Pro38 PSPP

Pro38 SWMP

Pro38 SWMP_LD

Pro38 USFAP

Pro38 VFAP

Pro38 WCRW

Pro3800 3800C 3850 Standard

sRGB IEC61966-2.1

13_12_05_lightsON.icc

13_12_08_lightsOFF.icc

ARRIFLEX D-20 Daylight Log (by Adobe)

ARRIFLEX D-20 Tungsten Log (by Adobe)

Camera RGB Profile

CIE RGB

Dalsa Origin Tungsten Lin (by Adobe)

DCDM X'Y'Z'(Gamma 2.6) 5900K (by Adobe)

WHAT IS THE **PRINTER PROFILE?** JUST AS WE HAVE A PROFILE ATTACHED TO OUR FILE TELLING US THE COLOR PROPERTIES OF THE CAPTURE DEVICE (CAMERA OR SCANNER, OR MADE FROM SCRATCH IN PHOTOSHOP) THERE IS A PROFILE THAT DESCRIBES THE COLOR PROPERTIES OF THE PRINTER AND THE PAPER YOU ARE USING.

BY KNOWING WHERE THE
IMAGE CAME FROM AND
WHERE IT IS GOING,
PHOTOSHOP CAN MANAGE THE
TRANSLATION BETWEEN THE
TWO FOR THE MOST
ACCURATE REPRODUCTION.

BECAUSE INK SITS DIFFERENTLY ON
EACH TYPE OF PAPER, A SEPARATE
PROFILE IS NEEDED FOR EACH.
MOST PAPER MANUFACTURERS
WILL PROVIDE PROFILES OR
RECOMMEND AN EXISTING ONE
THAT WILL WORK WELL.

IF YOU ARE USING A PAPER FOR
WHICH WE DON'T HAVE A
PROFILE, GET IN TOUCH WITH
JAMES H. TO GET IT LOADED ON:

SPRTWST@GWU.EDU



Remember to disable the printer's color management in the print settings dialog box.

Document Profile: Adobe RGB (1998)

Color Handling: Photoshop Manages Colors

Printer Profile: Pro38 PLPP

☐ Send 16-bit Data

Normal Printing

Rendering Intent: Perceptual

☒ Black Point Compensation

► Description

► Position and Size

► Printing Marks

► Functions

► PostScript Options Disabled

You're ready to go!
Print

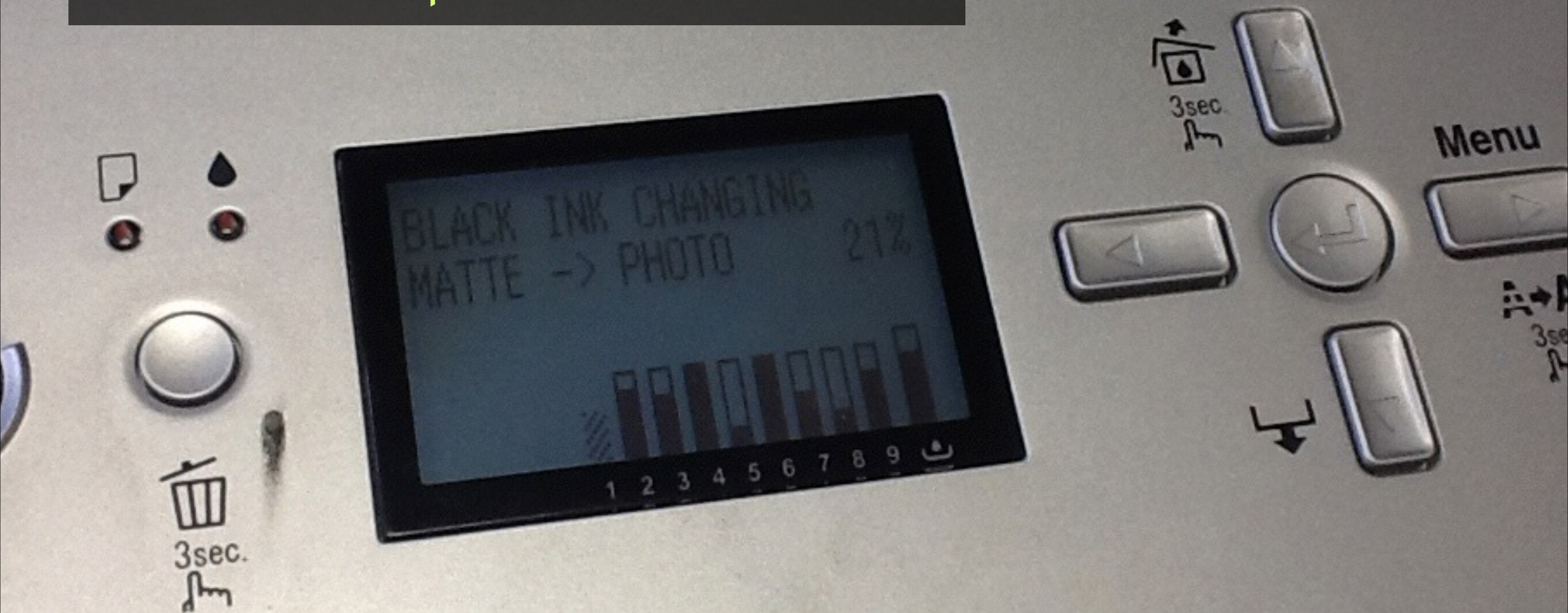
☒ Match Print Colors ☐ Gamut Warning ☒ Show Paper White

Cancel

Done

Print

If the previous user printed on a different kind of paper, you may need to wait a few moments as the printer switches inks.



Note that one of the
printers is for printing
only on photo paper...



THE PRINTERS CAN PRINT ON BOTH PHOTO PAPER AND MATTE PAPER, BUT THEY USE DIFFERENT BLACK INKS FOR EACH. SWITCHING BETWEEN THE TWO WASTES A LOT OF INK. TO CONSERVE A BIT, WE'VE DESIGNATED ONE OF THE PRINTERS **PHOTO BLACK ONLY**. NO MATTE PAPERS IN THIS PRINTER!



Finished masterpiece!